

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 2101-3085
INTERNATIONAL APPLICATION NO. PCT/KR2004/002552		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/552484</b>
INTERNATIONAL FILING DATE 6 October 2004		PRIORITY DATE CLAIMED 9 October 2003
TITLE OF INVENTION/METHOD OF GENERATING PLCM FOR BROADCAST/MULTICAST SERVICE AND APPARATUS THEREOF		
APPLICANT(S) FOR DO/EO/US KYUNG, Chan Ho; AN, Jong Hoe; KIM, Ki Jun; and LEE, Young Jo		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>		
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold; text-align: center;">10/552484</div>	INTERNATIONAL APPLICATION NO. PCT/KR2004/002552	ATTORNEY'S DOCKET NUMBER 2101-3085
20. Other items or information:		
The following fees have been submitted		CALCULATIONS
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		\$ 300
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		\$ 200
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		\$ 500
TOTAL OF 21, 22 and 23 =		1,000
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	RATE
- 100 =	/50 =	x \$250
		\$ 0
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$ 0
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	86 - 20 =	66
Independent claims	18 - 3 =	15
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360
TOTAL OF ABOVE CALCULATIONS =		\$ 7,300
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
SUBTOTAL =		\$ 7,300
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$ 0
TOTAL NATIONAL FEE =		\$ 7,300
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$ 40
TOTAL FEES ENCLOSED =		\$ 7,340
		Amount to be refunded: \$
		Amount to be charged \$

- a. ☒ A check in the amount of \$ 7,340 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 502290. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Jonathan Y. Kang, Esq.  
Lee, Hong, Degerman, Kang & Schmadeka  
801 S. Figueroa Street, 14th Floor  
Los Angeles, CA 90017  
Customer No. 035884

  
SIGNATURE

Lew Edward V. Macapagal  
NAME

55,416  
REGISTRATION NUMBER

10/552484

JC09 Rec'd PCT/PTO 06 OCT 2005

PATENT

Attorney Docket No: 2101-3085

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Chan Ho Kyung, Jong Hoe An, Ki Jun Kim & Young Jo Lee

Art Unit:

Examiner:

Serial No:

Filed: Herewith

For: METHOD OF GENERATING PLCM FOR

BROADCAST/MULTICAST SERVICE AND APPARATUS THEREOF

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

Express Mail Mailing Label No. EV 592674835 US

Date of Deposit: October 6, 2005

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that

- ☒ transmittal letter to the U.S. designated/elected office
- ☒ check in amount of \$ 7,300 as filing fee
- ☒ A check in the amount of \$ 40 to cover Assignment Recordation fee is enclosed.
- ☒ assignment of the invention to LG Electronics Inc.
- ☒ Recordation Form Cover Letter (Form PTO-1595)
- ☒ executed Declaration and Power of Attorney
- ☒ international application ( 38 page(s) of specification; 86 claim(s); 1 page(s) of abstract
- ☒ 5 sheet(s) of formal drawings
- ☐ PCT request
- ☐ PCT notice informing the applicant of the communication of the international application to the designated offices
- ☐ PCT International Search Report
- ☒ Certified copies of Korean Patent Application Nos. 10-2003-0070416 and 10-2004-0073738, filed on October 9, 2003 and September 15, 2004, respectively, from which priority is claimed in the subject case pursuant to 35 U.S.C. § 119 ☐ will follow ☒ is (are) enclosed.
- ☐ Preliminary Amendment
- ☒ Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: October 6, 2005

Lee, Hong, Degerman, Kang & Schmadeka

801 S. Figueroa Street, 14<sup>th</sup> Floor  
Los Angeles, California 90017  
Telephone: 213-623-2221  
Facsimile: 213-623-2211

Lew Edward V. Macapagal

Name of person mailing papers

  
Signature

FORM PTO-1082  
EXPRESS MAIL NO. EV 592674835 US

PATENT DOCKET NO. 2101-3085  
CUSTOMER NO. 035884

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Chan Ho Kyung, Jong Hoe An, Ki Jun Kim &  
Young Jo Lee

Art Unit:

Examiner:

Serial No:  
Filed: Herewith  
For: METHOD OF GENERATING PLCM FOR  
BROADCAST/MULTICAST SERVICE AND  
APPARATUS THEREOF

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for filing is the patent application identified above.

- ☒ 5 sheet(s) of drawings (☒ formal ☐ informal) is(are) enclosed.
- ☒ 38 page(s) of specification and 1 page(s) of abstract of the invention are enclosed.
- ☒ An assignment of the invention to LG Electronics Inc. ☒ is enclosed ☐ will follow.
- ☐ An associate power of attorney ☐ is enclosed ☐ will follow.
- ☐ Inventor(s) or Assignee(s) is entitled to small entity status under 37 C.F.R. §§ 1.9 & 1.27.
- ☒ Declaration and Power of Attorney ☒ is enclosed ☐ will follow.
- ☒ Certified copies of Korean Patent Application Nos. 10-2003-0070416 and 10-2004-0073738, filed on October 9, 2003 and September 15, 2004, respectively, from which priority is claimed in the subject case pursuant to 35 U.S.C. § 119 ☐ will follow ☒ is (are) enclosed.
- ☐ IDS enclosed (☐ with reference).
- ☐ Preliminary Amendment is enclosed.


CALCULATION OF FEES									
ITEM		TOTAL NO. OF CLAIMS		NO. OF CLAIMS OVER BASE	LG/SM \$ ENTITY FEE		\$ AMOUNT	\$ FEE	
A	TOTAL CLAIMS FEE	86	-20	66	LG=\$50 SM=\$25	\$ 50	\$ 3300	\$ 3300	
B	INDEPENDENT CLAIMS FEE*	18	-3	15	LG=\$200 SM=\$100	\$ 200	\$ 3000	\$ 3000	
C	SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)							\$ 6300	
D	MULTIPLE-DEPENDENT CLAIMS FEE					LARGE ENTITY FEE = \$360 SMALL ENTITY FEE = \$180		\$ 0	
E	BASIC FILING FEE					LARGE ENTITY FEE = \$300 SMALL ENTITY FEE = \$150		\$ 300	
F	SEARCH FEE					LARGE ENTITY FEE = \$500 SMALL ENTITY FEE = \$250		\$ 500	
G	EXAMINATION FEE					LARGE ENTITY FEE = \$200 SMALL ENTITY FEE = \$100		\$ 200	
H	APPLICATION SIZE FEE (If the specification and drawings exceed 100 sheets of paper, for each additional 50 sheets or fraction thereof. )					LARGE ENTITY FEE = \$250 SMALL ENTITY FEE = \$125		\$ 0	
I	TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, E, F, G AND H)							\$ 7,300	
J	ASSIGNMENT RECORDING FEE							\$ 40	\$ 40
	*LIST INDEPENDENT CLAIMS [LIST OF INDEPENDENT CLAIMS]								

- ☒ A check in the amount of \$ 7,300 to cover the total filing fee is enclosed.
- ☒ A check in the amount of \$ 40 to cover Assignment Recordation fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any deficiency for the following fees associated with this communication or credit any overpayment to Deposit Account No. 502290. A copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 C.F.R. § 1.16
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,

LEE, HONG, DEGERMAN, KANG & SCHMADEKA

Date: October 6, 2005

By:   
Lew Edward V. Macapagal  
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